

Subject Index

safety habits of children in, 447 Carbidopa, 359 Acne, smoking and, 643 Auto-toxicity, 654 Cardiovascular Acrocyanosis, 95 diseases Actinic dermatitis, chronic, 45 Bacterial infections, 24 prurigo, 46 Balneology in dermatology, 695-698 Acupuncture, 659-688 system, 700 Acute porphyria, 208, 299-306 function, stratum corneum, 100 Age, climatotherapy and, 705 sunscreens, 75 Aging, skin, 129-139 Beta-Airborne dermatitis, 27-31 blocking agents, 370 Allergic contact dermatitis, 37, 120 carotene, 77 Biblical plants, 33-40 Allergy Chilblains, 95 metal, 122 Bioclimatology in dermatology, 695-698 nicotine, 620 Biofeedback 447-459 sunscreen, 437 cognitive-behavioral methods, hypnosis: Alopecia areata, 675 alternative psychotherapy?, 709-710 Alternative dermatology, in, 711-714 medicine, 649 Biosynthesis, heme, control, 206 Chronic psychology, 709-710 Biotropic meteorological factors, skin and, Alveolar osteitis, smoking and, 629 Analgesics, treatment for sclerodermiform Bisoprolol, 362 Bleomycin, 353 conditions, 355 Angiotensin-converting enzyme inhibitors, Blistering, 34 Blood Cocaine, 363 Animal porphyrias, 307-315 plasma, cortisol level in, 703 Anogenital skin cancer, 587 vessels, 363 Bovine erythropoietic protoporphyria, 311 Anti-inflammatory 709-710 agents, 77 Brazil, sun education in, 533-534 drugs, nonsteroid, 339, 403 Bromocriptine, 355 Anticoagulants, 370 Bullous Anticonvulsants, 370, 403 dermatosis, 389 Antigens, nuclear, drug interaction with, pemphigoid, 379-387 Antimalarial drugs, 76, 325-327, 337 Antimicrobials, 144-147, 381 Calcium Antioxidants, 77 channel blockers, 371 Antirheumatics, 380 -mediated homeostasis, 582 Antithyroid drugs, 370 Canada, sun education in, 530-531 Aphthous stomatitis, smoking and, 643 Cancer Appearance, social implications, 425 lip, 587 Cosmetic(s) Appetite suppressant therapy for anogenital, 587 scleroderma-like symptoms, 360 Aromatherapy in dermatology, 689-694 exposure to radiation, 86 Artificial formation, 491 sun, 487-501 non-melanoma, 44 UV radiation, 449 prevention, 411-413, 447-459, 467-475 Cutaneous Atopic dermatitis, 29, 62, 649, 665, 696, 703 smoking and, 585-588 tanning beds and, 487-501 Australia, sun education for adults in, 528-529 smoking and, 549, 627, 642

climatotherapy and, 704 drugs, 380 smoking and, 545-556 Cell, t-, activation, 154 Central nervous system, 703 Chemical sunscreens, 433 Chemotherapeutics for sclerodermiform conditions, 353 Child care, public education projects in, China, traditional medicine, 655 Chiropractic, 652 Chlorpromazine, 369 actinic dermatitis, 45 obstructive pulmonary diseases, 548 sun exposure, 432 Cicatricial pemphigoid, 379-387 Climatotherapy, high mountain, 699-707 Cognitive-behavioral methods: alternative psychotherapy?, therapy, 715-723 Colitis, ulcerative, smoking and, 641-647 Community health, 7-9 Complementary medicine, 649, 651-658 Contact dermatitis irritant, 114, 119 nonoccupational, 119-127 pemphigoid, 381 photoallergic, 47 phototoxic, 46 urticaria, 124 Cortisol level in blood plasma, 703 dermatitis, 121 irritation, 167-179 Cryoglobulinemia, 96 Curanderismo, Mexican-American medicine, 656 antimicrobial defense, 141-147 hepatic porphyrias, 192 immunity, smoking and, 589-594

malignant melanoma, 44	psoriasis, 333-351	н
microflora, 141	-release kinetics, 602	Habitrol®, 599-615
porphyrias, treatment, 295-298	Dryness of the skin, 99-107	Halones, 443
vasculature, smoking and, 579-584	duodenal ulcers, 553	Healing touch, 652
Cyclooxygenase inhibitors, 339	Dyslipidemia, 551	Health community, 7-9
D	E	dental, smoking and, 628
Dental health, smoking and, 628	Eclectic school of medicine, 654	gingivital, 625
Dermatitis	Eczema, 24, 62	mucosal, 626
actinic, chronic, 45	Elastosis	skin, 181-184
airborne, 27-31	infrared, 92	Heat, infrared radiation and, 133
atopic, 29, 62, 649, 665, 696, 703	smokers', 567	Heme
contact	Electromagnetic radiation, 477	acute porphyria therapy for, 300
allergic, 37	Endocrine(s)	synthesis in porphyria, 203-223
irritant, 114, 119	metabolic effects of smoking and, 551	Hepatic
nonoccupational, 119-127	opthalmopathy, 552	photosensitivity, 312
photoallergic, 47	Environment(al)	porphyrias, 192, 254
phototoxic, 46	concerns, 7-9	Herpes
cosmetic, 121		simplex, 642, 680
Dermatology	dermatology, 1-184	varicella, 683
desert, 109-111	skin aging and, 129-139	zoster, 683
environmental, 23-25	Enzyme	High mountain climatotherapy, 699-70
iatrogenic, 317-408	assays and the porphyrias, 245-250	Homeopathy, 651
occupational, 113-118	inhibitors, angiotensin-converting, 341	Homeostasis, calcium-mediated, 582
sports, 159-165	Eosinophilia myalgia syndrome, 357	Hormonal balance of women, smoking
Dermatosis(es)	Epidemiological considerations of	effects on, 568, 595-598
bullous, 389	smoking, 565-570	Hormones
drug-induced, 317-408	Epidermal	melanocyte, stimulating, 504-507
infectious, 162	hyperplasia, 85	steroid, 596
Desert dermatology, 109-111	necrolysis, 399-408	Human keratinocytes, melanocyte
Detection of light-induced disease, 477-485	Ergot, 355	stimulating hormon receptors
Diabetes	Erythema, 34	expressed by, 506
climatotherapy and, 705	Erythermalgia, 92	Hydration of the skin, 100
insulin resistance and, 551	Erythroderma, psoriatric, 671	Hydroa vacciniforme, 46
Diagnosis of porphyrias, 277-293	Erythropoietic	Hydrotherapy, 653
Diffuse fasciitis, 357	porphyria	Hygienic system of medicine, 654
Disease(s)	bovine, 311	Hyperpigmentation, 34
cardiovascular, 545-556	human, 258-261	Hyperplasia, epidermal, 85
duodenal ulcer, 553	protoporphyria, clinical studies, 227	Hypnosis
inflammatory skin, 643	Ethosuximide, 359	alternative psychotherapy?, 709-710
light-induced, 477-485	European children, sun safety habits of,	dermatology, in, 725-726
photosensitivity, 62	447	
pulmonary, 548	Eye, sun damage and, 87, 477-485	I
skin	Lye, suit duringe and, or, 477-405	Iatrogenic dermatology, 317-408
heat- and cold-induced, 91-98	F	Immune system, 43, 363, 373
smoking and, 641-647	Fasciitis, diffuse, 357	Immunity, cutaneous, smoking and, 589
Diuretics, thiazide, 370	Fecal porphyrins, 287	594
DNA	Fibroblasts, 363	Immunoglobins (G, A, M, E), 703
porphyria diagnosis, 237		Immunomodulation by heavy metal
repair, 78	Free radicals, smoking and, 633	compounds, 149-157
Docetaxel, 355	Fungal infections, 24	India, ancient medicine, 656
D-penicillamine, 370		Indoor tanning, 487
Drug(s)	G	Infections
anti-inflammatory, nonsteroid, 339, 403	Gastrointestinal disorders	bacterial, 24
antimalarial, 76, 337	climatotherapy and, 704	fungal, 24
cardiovascular, 380	smoking and, 552	Infectious dermatoses, 162
eruptions, lichenoid, therapy for, 329	Gene therapy of porphyrias, 241	Inflammatory
-induced	Genetic defects in the porphyrias, 225-233,	response, smoking and, 589-594
dermatoses, 317-408	235-243	skin diseases, smoking and, 643
linear immunoglobulin-A bullous	Genetic	Infrared
dermatosis, 389-391	disorders associated with	elastosis, 92
lupus erythematosus, 367-377	photosensitivity, 46	light, 430
pemphigoid, 379-387	predisposition to porphyria cutanea	radiation, heat and, 133
pemphigus, 393-397	tarda, 271	Insulin resistance, 551
photosensitivity, systemic, 49	Gingivitis, 625	Inteferon-alpha, 363
scleroderma, 353-366	Global ozone crisis, 11-17	Interferons, 343, 371
toxic epidermal necrolysis, 399-408	Greece, sun education in, 525-526	Interleukin-2, 363, 371

mud, 696

Ireland, sun education in, 517-518 psoriasis, role in, 649 clinical signs, 86 Minocycline, 371 skin, 490 Iron in porphyria cutanea tarda, 268 Irritant contact dermatitis, 114, 119 Morphine, 355 therapeutics, 437 Irritation, cosmetics, 167-179 Mucosal health, 626 Photoallergic contact dermatitis, 47 Isoniazid, 369 Photodamage, 432 Israel, sun education in, 518-520 Photodermatoses, 41-57 Natural sunscreens, 433 Photosensitivity diseases, 62 Nature cure, 653 Keratinocytes, human, melanocyte Naturopathy, 653 hepatic, 312 Necrolysis, epidermal, 399-408 stimulating hormone receptors systemic drug-induced, 46, 49 Nervous system, sympathetic, 582 Phototherapy, 59 expressed by, 506 Ketobemidone, 355 Neurodermatitis, 665 Phototoxicity Kinetics Neurologic diseases, climatotherapy and, genetic disorders and, 46 drug-release, 602 porphyrias, in, 252 Nicoderm®, 599-615 skin permeation, 603 Phytodermatitis, 123 Korea, sun education in, 526-527 **Nicotine Pityriasis** allergy, 620 lichenoides, 62 inflammatory response and, 591 rosea, 61 Lesions, oral, non-cancerous, from pharmacology, 557-564 Plant(s) biblical, 33-40 stomatitis, 626 smoking, 625-631 Leukoplakia, smoking and, 627 transdermal system, 599-615, 617-623 extracts, role in psoriasis, 649 L-5-hydroxytryptophan, 359 withdrawal symptoms, 609 Polymorphous light eruption, 45 Nicotrol®, 599-615 Lichen planus, 325-332, 669 Porphyria(s) Lichenoid(es) Nigeria, sun education in, 520-521 acute drug eruptions, therapy for, 329 intermittent, 208 Non-cancerous oral lesions from smoking, pityriasis, 62 625-631 management, 299-306 Light Non-melanoma cancer, 44 animal, 307-315 eruption, polymorphous, 45 Non-profit organizations and public cutanea tarda, toxic and sporadic, 265--induced disease, 477-485 education, 461-465 Lip cancers, 587 Nonacute porphyrias, 212 cutaneous, treatment, 295-298 L-tryptophan, 357 Nonoccupational contact dermatitis, 119diagnosis, 237, 277-293 erythropoietic Lupus erythematosus, drug-induced, 367-127 Nonsteroid anti-inflammatory drugs, 339, bovine, 311 human, 258-261 North American children, sun safety gene(s) defects, 225-233, 235-243 Malignant melanoma habits of, 447 Nuclear antigens, interaction of drugs cutaneous, 44 therapy, 241 UV radiation and, 67-73 with, 373 heme synhesis in, 203-223 Mammalian skin, effects of UV radiation hepatic cutaneous, 192, 254 on, 503-515 nonacute, 212 Medicine Obesity, climatotherapy and, 705 prenatal diagnosis, 241 Porphyrins Occupational dermatology, 113-118 alternative, 649 ancient, of India, 656 Opthalmopathy, endocrine, 552 evolution, 195-201 complementary, 649, 651-658 Oral lesions from smoking, fecal, 287 non-cancerous, 625-631 urinary, 285 eclectic school, 654 traditional, of China, 655 Osteitis, alveolar, smoking and, 629 Porphyrinurias, 203-223 Pregnancy, climatotherapy and, 704 Osteoporosis, 552 Melanin, 20 Prenatal porphyria diagnosis, 241 Melanocyte stimulating hormone, 504-507 Oxygen Prevention, skin tissue, smoking and, 579-584 Melanogenesis, 504 cancer, 447-459, 467-475 transport, 700 Melanoma malignant Ozone sun-damaged, 429-439 ProStep®, 599-615 crisis, global, 11-17 cutaneous, 44 depletion, 442 Prostaglandins, 582 UV radiation and, 67-73 layer, 71, 41, 431 Protoporphyria, erythropoietic, 227 smoking and, 587 Prurigo, actinic, 46 sunscreen risk, 437 stratospheric, 442 uveal, 485 tropospheric, 442 **Psoriasis** drugs used in, 333-351 Metabolic effects of smoking, 551 plant extracts and minerals, role in, 649 smoking and, 571-574 Parasitic infestations, 23 allergy, 122 Pathogenic considerations of smoking, 565-Psoriatric erythroderma, 671 heavy, compounds, 149-157 Psychology of sun exposure, 421-4 Methyldopa, 369 Methysergide, 355 Pemphigoid, drug-induced, 379-387 Psychotherapy, alternative, 709-710 Mexican-American medicine, Pemphigus, drug-induced, 393-397 Public education projects in skin cancer Penicillamine, 362, 393 prevention, child care, school, and Curanderismo, 656 Pentazocine, 355 college-based, 447-459 Microflora, cutaneous, 141 PUFAs, 78 Mineral(s) Pharmacology, nicotine, 557-564

Photoaging

Pulmonary diseases

chronic obstructive, 548 climatotherapy and, 704	melanoma and, 587 metabolic effects on, 551	psychology of, 421-428 Taxotere, 355
Chinatotherapy and, 704	non-cancerous oral lesions from, 625-	T-cell activation, 154
Q	631	Tetracyclines, 342
Quinidine, 369	psoriasis and, 571-574 skin	Therapeutics of photoaging, 437 Therapy
R	cancer and, 585-588	appetite suppressant, 360
Radiation	diseases and, 641-647	aroma, 689-694
electromagnetic, 477	reaction to, 535-647	gene, of porphyrias, 241
infrared, and heat, 133	tissue oxygen and, 579-584	heme, for acute porphyria, 300
solar, 41, 44, 75-82, 129, 416, 509, 699	tongue, the, and, 627	hydro, 653
ultraviolet, 488	wound healing and, 575-578	lichenoid drug eruptions, for, 329
Receptors, melanocyte stimulating	Societal development, 7-9	nicotine replacement, 599-615
hormone, 506	Solar	scleroderma and scleroderma-like
Rhode Island Sun Smart Project, 412	radiation, 41, 44, 46, 75-82, 84, 129, 416,	conditions, for, 364
Rosea, pityriasis, 61	509, 699	sun damaged skin, for, 429-439
	urticaria, 46	UV radiation, 63
S	South Africa, sun education in, 531-533	Thermomineral springs, 696
SCAR study, 403	Sporadic porphyria cutanea tarda, 265-275	Thiazide diuretics, 370
Scleroderma	Sports dermatology, 159-165	Thomsonianism, 654
clinical variants, 673	Steroid hormones, 596	Thyroid hormone levels, 595
drug-induced, 353-366	Stomatitis	Tissue oxygen, smoking and, 579-584
Sclerodermiforme conditions, therapy for,	aphthous, smoking and, 643	Tobacco
364	nicotine, 626	smoke, passive exposure to, 552
Skin	Stratospheric ozone, 442	smokeless, 629
aging, environment and, 129-139	Stratum corneum barrier function, 100	use, 539-544
biotropic meteorological factors and, 701	Sulfasalazine, 370	Tongue, the, smoking and, 627
cancer	Sulfonamides, 403	Toxic
anogenital, 587	Sun	epidermal necrolysis, 399-408
formation, 491	artificial, 487-501	porphyria cutanea tarda, 265-275
non-melanoma, 44	-damaged skin, 429-439	Toxicity of smoke on skin, 566
prevention, 411-413, 447-459, 467-475	education, international, 517-534	Transdermal system, nicotine, 599-615,
radiation, exposure to, 86	exposure	617-623
smoking and, 585-588	chronic, 432	Triamcinolone, 363
solar radiation-induced, 75-82	psychology of, 421-428	Tropospheric ozone, 44
tanning beds and, 487-501	eye and, 477-485	U
diseases heat and cold-related, 91-98	friend or enemy, 415-419 natural, 487-501	
smoking and, 641-647	precautions for children, 449	Ulcerative colitis, smoking and, 641-647 Ulcers, duodenal, 553
disorders improved by exposure to	radiation, 699	Ultraviolet
sunlight, 59-65	safety habits	-A, tanning beds and, 430
dryness, 99-107	Australian children, of, 447	index, 441-446
healthy, 181-184	European children, of, 447	irradiation, 415
hydration, 100	North American children, of, 447	light
mammalian, effects of UV radiation on,	skin and, 19-22	exposure, 477
503-515	Sunbathing, 20	reduction, 487
permeation kinetics, 603	Sunburn	radiation
psychological significance, 422	clinical features, 431	artificial, 449
responses to UVR, 507	influencing factors, 84	biologic effects, 488
sun and, 19-22, 429-439	melanoma risk factors for, 69	human health and, 83-89
toxicity of smoke on, 566	reaction on skin, 42	immune system, effect on, 43
types, 431	Sunlight, skin disorders improved by, 59-	malignant melanoma and, 67-73
UV radiation effects on, 42, 441	65	natural, 83-89
Smokeless tobacco, 629	Sunscreens	skin
Smokers' elastosis, 567	allergy, 437	barrier between internal and
Smoking	barrier, 75	external environments, as a, 11
acne and, 643	natural and chemical, 433	effect on, 42, 441
alveolar osteitis and, 629	risk factor for, 437	mammalian, effects on, 503-515
aphthous stomatitis and, 643	Sympathetic nervous system, 582	responses to, 507
cancer mortality and, 549	Syphilis, 317	solar, 84
cutaneous vasculature, tissue oxygen	Systemic drug-induced photosensitivity,	therapy, 63
and, 579-584	49	rays, A and B, 696
effects on hormonal balance of women,		United Kingdom, sun education in, 523
568	T	525
free radicals and, 633	Tactile experience of sun exposure, 425	Urinary porphyrins, 285
herpes simplex and, 642	Tanning	Uroporphyrinogen deficiency disorders,
historic aspects, 539-544	beds, 430, 487-501	229

Urticaria cholinergic, 92 cold-induced, 96 contact, 124 solar, 46 UV -A, tanning beds and, 430 index, 441-446 irradiation, 415 light exposure, 477 reduction, 487 radiation artificial, 449 biologic effects, 488 human health and, 83-89 immune system, effect on, 43 malignant melanoma and, 67-73
natural, 83-89
skin
barrier between internal and
external environments, as a, 11
effect on, 42, 441
mammalian, effects on, 503-515
responses to, 507
solar, 84
therapy, 63
rays, A and B, 696
Uveal melanoma, 485

V
Vacciniforme hydroa, 46

V Vacciniforme hydroa, 46 Valproate, 371 Vasculature, cutaneous, smoking and, 579-584 Vasopressin, 582 Vegetarianism, 654 Vegetative nervous system, 703 Venezuela, sun education in, 522-523 Verrucae, 685 Vitamin D3, 86 Vitiligo, 61, 415

W W. Africa, sun education in, 520-521 Warts, 685 Withdrawal symptoms, nicotine, 609 Wound healing, smoking and, 575-578

X Xeroderma pigmentosa, 71